

Applicants: Welch et al.  
U.S. Serial No.: 10/799,941  
Filed: March 11, 2004  
Page 1 of 2

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AUG 15 2005

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Martha G. Welch et al.

Serial No.: 10/799,941

Examiner: Jennifer I. Harle

Filed: March 11, 2004

Group Art Unit: 1615

Entitled: Novel Multipeptide Regimen for the  
Treatment of Autistic Spectrum, Behavioral, Emotional and  
Visceral Inflammation/Autoimmune Disorders

Attorney Docket No.: 19240.TBA

CERTIFICATE OF FACSIMILE TRANSMISSION UNDER 37 CFR 1.8

I hereby certify that this correspondence is being facsimile transmitted to the United States Patent and Trademark Office on 8/15/2005 for consideration in U.S. Patent Application No. 10/799,941 and that this document is a true copy.

Date: 8/15/2005

Name: K Padilla.

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

REVOCATION OF PREVIOUS POWER OF ATTORNEY,  
APPOINTMENT OF NEW ATTORNEY,  
CHANGE OF CORRESPONDENCE ADDRESS, and  
STATEMENT UNDER 37 C.F.R. §3.73(b)

The undersigned, The Trustees of Columbia University in the City of New York, owner of the above-identified United States patent application, hereby revokes all powers of attorney previously granted and appoints the following practitioners with full power of substitution and revocation to prosecute the patent application and to transact all business in the Patent and Trademark Office connected therewith.

CUSTOMER NUMBER: 28089

US1DOCS 5235613v1

Applicants: Welch et al.  
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Filed: March 11, 2004  
Page 2 of 2

All future correspondence should be sent to:

Jane M. Love, Ph.D.  
Wilmer Cutler Pickering Hale and Dorr LLP  
399 Park Avenue  
New York, New York 10022  
Telephone No.: (212) 937-7233 (direct)  
Facsimile No.: (212) 230-8888

jane.love@wilmerhale.com

Pursuant to 37 C.F.R. §3.73(b), Applicant states that it is the assignee of the entire right, title, and interest by virtue of an assignment from the inventors (Martha G. Welch, David A. Ruggiero, and Muhammad Anwar) of the application identified above and recorded in the United States Patent and Trademark Office.

The assignment was recorded in the United States Patent and Trademark Office on January 3, 2005 at Reel 015519, Frame 0945. A copy of the assignment document is attached.

The undersigned, whose title appears below, is authorized to act on behalf of the assignee.

The Trustees Of Columbia University In The City Of New York

By: 

Michael J. Cleare, Ph.D.  
Executive Director  
Columbia University Science and Technology Ventures

Date: 12<sup>th</sup> August 2005

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USPTO/DOCS 523561Dv1

## ASSIGNMENT

Assignment before issue of Letters Patent

Docket No. 5199-134

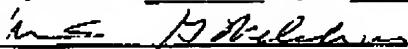
WHEREAS, We, Martha G. Welch, MD, a resident of 952 Fifth Avenue, New York, NY 10021, USA; David A. Ruggiero, PhD, a resident of 60 Haven Avenue, Apartment 11F, New York, NY 10032, USA; and Muhammad Anwar, MS, a resident of 12 Sarah Drive, New Hempstead, New York, NY 10977, USA; (hereinafter "Assignor") have invented certain new and useful improvements in  
**NOVEL MULTipeptIDE REGIMEN FOR THE TREATMENT OF AUTISTIC SPECTRUM, BEHAVIORAL, EMOTIONAL AND VIScERAL INFLAMMATION/AUTOIMMUNE DISORDERS**  
(hereinafter "invention") for which Assignor is making or has made application for LETTERS PATENT OF THE UNITED STATES, which application has been duly executed by Assignor on the day(s) and date(s) of these presents.

AND WHEREAS, THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK, having its principal offices at: Office of the General Counsel, 412 Low Library, Mail Code 4308, 535 West 116<sup>th</sup> Street, New York, NY 10027, U.S.A., hereinafter called the Assignee, is desirous of acquiring the entire right, title and interest in and to said invention within the United States of America and its territorial possessions and all foreign countries and any United States or foreign LETTERS PATENT that may be granted therefor.

NOW, THIS INDENTURE WITNESSETH, that for good and valuable considerations, the receipt whereof is hereby acknowledged, Assignor has assigned, sold and transferred, and does hereby assign, sell and transfer to the said Assignee the entire right, title and interest in and to the said invention, within the United States of America and its territorial possessions and all foreign countries and in and to any LETTERS PATENT of the United States and foreign countries, including utility models, inventor's certificates and like government grants, and all divisions, reissues, continuations and extensions thereof that may be granted therefor, and the right to apply for LETTERS PATENT in foreign countries with full benefit of such priorities as may now or hereafter be granted to Assignor by local laws or by treaty, including any international convention, for the protection of industrial property, together with the right to extend the protection of said U.S. LETTERS PATENT to the various territorial possessions now owned or which may be hereafter acquired by the United States of America, all said rights to be held and enjoyed by the Assignee for its own use and benefit, and for the use and benefit of its successors or assigns, to the full end of the term for which said LETTERS PATENT may be granted, as fully and entirely as the same would have been held and enjoyed by Assignor if this assignment and sale had not been made. And Assignor does hereby request and authorize the Commissioner of Patents and Trademarks, U.S.A., to issue said U.S. LETTERS PATENT, when granted, in accordance with this assignment.

Assignor further covenants and agrees with the Assignee that Assignor has a full and unencumbered title to the invention hereby assigned, which title Assignor warrants unto the Assignee, and Assignor further agrees that Assignor will, without demanding any further consideration therefor, at the request but at the expense of the Assignee, do all lawful and just acts, including the execution and acknowledgment of instruments, that may be or become necessary for obtaining, sustaining, extending, reissuing or reexamining United States and foreign LETTERS PATENT or the like for the said invention, and for maintaining and perfecting the Assignee's right to said invention and LETTERS PATENT particularly in cases of interference, conflict, opposition and litigation.

IN TESTIMONY WHEREOF, I have hereunto set my hand this 11 day of 11, 2004


  
Martha G. Welch, MD

STATE OF NY)  
COUNTY OF NY) ss:

On this 16th day of November, 2004 before me came Martha G. Welch, MD, to me known and known to me to be the individual described in, and who executed, the foregoing instrument, and he/she has acknowledged to me that he/she has executed the same.

[SEAL]

AMY L HABER  
NOTARY PUBLIC, State of New York

No. 01H45083858

Qualified in Queens County

Commission Expires July 29, 2006



Notary Public

My commission expires:

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## ASSIGNMENT

Assignment before issue of Letters Patent

Docket No. S199-134

WHEREAS, We, Martha G. Welch, MD, a resident of 952 Fifth Avenue, New York, NY 10021, USA; David A. Ruggiero, PhD, a resident of 60 Haven Avenue, Apartment 11F, New York, NY 10032, USA; and Muhammad Anwar, MS, a resident of 12 Sarah Drive, New Hempstead, New York, NY 10977, USA; (hereinafter "Assignor") have invented certain new and useful improvements in  
**NOVEL MULTipePTIDE REGIMEN FOR THE TREATMENT OF AUTISTIC SPECTRUM, BEHAVIORAL, EMOTIONAL AND VISCERAL INFLAMMATION/AUTOIMMUNE DISORDERS**  
(hereinafter "invention") for which Assignor is making or has made application for LETTERS PATENT OF THE UNITED STATES, which application has been duly executed by Assignor on the day(s) and date(s) of these presents.

AND WHEREAS, THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK, having its principal offices at: Office of the General Counsel, 412 Low Library, Mail Code 4308, 535 West 116<sup>th</sup> Street, New York, NY 10027, U.S.A., hereinafter called the Assignee, is desirous of acquiring the entire right, title and interest in and to said invention within the United States of America and its territorial possessions and all foreign countries and any United States or foreign LETTERS PATENT that may be granted therefor.

NOW, THIS INDENTURE WITNESSETH, that for good and valuable considerations, the receipt whereof is hereby acknowledged, Assignor has assigned, sold and transferred, and does hereby assign, sell and transfer to the said Assignee the entire right, title and interest in and to the said invention, within the United States of America and its territorial possessions and all foreign countries and in and to any LETTERS PATENT of the United States and foreign countries, including utility models, inventor's certificates and like government grants, and all divisions, reissues, continuations and extensions thereof that may be granted therefor, and the right to apply for LETTERS PATENT in foreign countries with full benefit of such priorities as may now or hereafter be granted to Assignor by local laws or by treaty, including any international convention, for the protection of industrial property, together with the right to extend the protection of said U.S. LETTERS PATENT to the various territorial possessions now owned or which may be hereafter acquired by the United States of America, all said rights to be held and enjoyed by the Assignee for its own use and benefit, and for the use and benefit of its successors or assigns, to the full end of the term for which said LETTERS PATENT may be granted, as fully and entirely as the same would have been held and enjoyed by Assignor if this assignment and sale had not been made. And Assignor does hereby request and authorize the Commissioner of Patents and Trademarks, U.S.A., to issue said U.S. LETTERS PATENT, when granted, in accordance with this assignment.

Assignor further covenants and agrees with the Assignee that Assignor has a full and unencumbered title to the invention hereby assigned, which title Assignor warrants unto the Assignee, and Assignor further agrees that Assignor will, without demanding any further consideration therefor, at the request but at the expense of the Assignee, do all lawful and just acts, including the execution and acknowledgment of instruments, that may be or become necessary for obtaining, sustaining, extending, reissuing or reexamining United States and foreign LETTERS PATENT or the like for the said invention, and for maintaining and perfecting the Assignee's right to said invention and LETTERS PATENT particularly in cases of interference, conflict, opposition and litigation.

IN TESTIMONY WHEREOF, I have hereunto set my hand this 14th day of December 2004

Muhammad Anwar, MS

STATE OF NY)  
COUNTY OF NY) ss:

On this 14th day of December, 2004 before me came Muhammad Anwar, MS, to me known and known to me to be the individual described in, and who executed, the foregoing instrument, and he/she has acknowledged to me that he/she has executed the same.

[SEAL] Lenny J. Haber Notary Public  
NOTARY PUBLIC, State of New York  
No. 01HAS083858  
Qualified in Queens County  
Commission Expires July 16, 2006  
My commission expires:

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## ASSIGNMENT

Assignment before issue of Letters Patent

Docket No. 5199-134

WHEREAS, We, Martha G. Welch, MD, a resident of 952 Fifth Avenue, New York, NY 10021, USA; David A. Ruggiero, PhD, a resident of 60 Haven Avenue, Apartment 11F, New York, NY 10032, USA; and Muhammad Anwar, MS, a resident of 12 Sarah Drive, New Hempstead, New York, NY 10977, USA; (hereinafter "Assignor") have invented certain new and useful improvements in NOVEL MULTipeptIDE REGIMEN FOR THE TREATMENT OF AUTISTIC SPECTRUM, BEHAVIORAL, EMOTIONAL AND VISCERAL INFLAMMATION/AUTOIMMUNE DISORDERS (hereinafter "invention") for which Assignor is making or has made application for LETTERS PATENT OF THE UNITED STATES, which application has been duly executed by Assignor on the day(s) and date(s) of these presents.

AND WHEREAS, THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK, having its principal offices at: Office of the General Counsel, 412 Low Library, Mail Code 4308, 535 West 116<sup>th</sup> Street, New York, NY 10027, U.S.A., hereinafter called the Assignee, is desirous of acquiring the entire right, title and interest in and to said invention within the United States of America and its territorial possessions and all foreign countries and any United States or foreign LETTERS PATENT that may be granted therefor.

NOW, THIS INDENTURE WITNESSETH, that for good and valuable considerations, the receipt whereof is hereby acknowledged, Assignor has assigned, sold and transferred, and does hereby assign, sell and transfer to the said Assignee the entire right, title and interest in and to the said invention, within the United States of America and its territorial possessions and all foreign countries and in and to any LETTERS PATENT of the United States and foreign countries, including utility models, inventor's certificates and like government grants, and all divisions, reissues, continuations and extensions thereof that may be granted therefor, and the right to apply for LETTERS PATENT in foreign countries with full benefit of such priorities as may now or hereafter be granted to Assignor by local laws or by treaty, including any international convention, for the protection of industrial property, together with the right to extend the protection of said U.S. LETTERS PATENT to the various territorial possessions now owned or which may be hereafter acquired by the United States of America, all said rights to be held and enjoyed by the Assignee for its own use and benefit, and for the use and benefit of its successors or assigns, to the full end of the term for which said LETTERS PATENT may be granted, as fully and entirely as the same would have been held and enjoyed by Assignor if this assignment and sale had not been made. And Assignor does hereby request and authorize the Commissioner of Patents and Trademarks, U.S.A., to issue said U.S. LETTERS PATENT, when granted, in accordance with this assignment.

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IN TESTIMONY WHEREOF, I have hereunto set my hand this

14th day of December 2004

  
David A. Ruggiero, PhD

STATE OF NY )  
COUNTY OF NY ) ss.:  
                        )

On this 14th day of December, 2004 before me came David A. Ruggiero, PhD, to me known and known to me to be the individual described in, and who executed, the foregoing instrument, and he/she has acknowledged to me that he/she has executed the same.

[SEAL]

AMY L. HABER  
NOTARY PUBLIC, State of New York  
No. 01HAS063858  
Qualifying in Queens County  
Commission Expires July 29, 2006

My commission expires:

Amy L. Haber  
Notary Public

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